## iSSUE SLIP STAPLE AREA (for additional cross references)

| POSIT/ON                  | INITIALS | ID NO. | DATE |
|---------------------------|----------|--------|------|
|                           |          |        |      |
| FEE DETERMINATION         |          |        |      |
| O.I.P.E. CLASSIFIER       |          |        |      |
| FORMALITY REVIEW          |          |        |      |
| RESPONSE FORMALITY REVIEW |          |        |      |
|                           |          |        |      |

## **INDEX OF CLAIMS**

| , | Rejected                   | Ν | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

| •             |          |                   |                       |   |   |          |          | •        |   | ••• | ••• | ••• | ••••     | •••     | ••••     | ••••     |
|---------------|----------|-------------------|-----------------------|---|---|----------|----------|----------|---|-----|-----|-----|----------|---------|----------|----------|
| Cla           | im       |                   |                       |   | - |          | _        | Dat      | e | _   |     |     |          |         | _        | ٦        |
| Cla           |          | 'n                | E0/61/14)             | Г | ٦ |          | Т        |          | Ť | ٦   |     | T   |          | _       | Τ        | ヿ        |
|               | Original | 3/2003            | 문                     |   | İ |          | 1        |          |   | i   |     | ı   |          |         | 1        | 1        |
| Final         | iri      | 2                 | 벌                     |   |   |          | 1        |          |   |     |     | 1   |          |         | Ĺ        | 1        |
| <u>u.</u>     | አ        | 11)               | 产                     | ┝ | ┥ |          | +        |          | ┝ | _   | _   | +   | _        | -       | ╁        | ┨        |
| -             | _        | ¥                 | <u> </u>              | L | 4 | _        | +        |          | ŀ | _   | -   | +   |          |         | ╁        | $\dashv$ |
| -             | 9        | 4                 | ļ.,                   | L | 4 | _        | 4        |          | L | _   | L   | +   |          | _       | +        | ᅱ        |
|               | 3        |                   | $\vee$                | L | _ | _        | ⊥        |          | L |     | _   | 4   |          |         | 1        | 4        |
|               | 4        | Ц                 | Ц                     | L |   | _        | $\perp$  |          | L | _   | _   | 4   |          |         | ╀        | _        |
| -             | -5       | L                 |                       | L |   |          | ┙        |          | L |     |     | 1   | _        | _       | 1        |          |
|               | 6        |                   | Ш                     |   |   |          | $\perp$  |          | L |     |     |     |          | L       | l        |          |
|               | 7        | П                 | П                     |   |   |          | L        |          |   |     |     |     |          |         |          |          |
|               | 8        | П                 | Π                     | Γ |   |          |          |          | l |     | Г   |     |          |         |          |          |
|               | 9        | П                 | П                     | Γ |   |          | T        |          |   |     |     | T   |          |         | I        |          |
| _             | 10       | 1                 | Ħ                     | Г | _ |          | T        |          | Γ |     | Γ   | T   |          |         | Τ        | П        |
|               | 11       | П                 | $^{\dagger \uparrow}$ |   |   | Г        | 7        |          | T |     | Г   |     |          | Г       | Т        | ٦        |
|               | 12       | tt                | Ħ                     | t |   | Т        | 7        | _        | T | _   | _   | 1   | _        |         | T        | $\neg$   |
| ्             | 13       | $\dagger \dagger$ | Ħ                     | t | - | Т        | 1        |          | T | _   | Τ   | 7   | •        | Г       | Ť        | ╗        |
| -             | 14       | H                 | #                     | t | - | ۲        | +        | -        | t |     | Н   | 7   |          | Н       | †        | ᅥ        |
|               | 15       | +                 | ++-                   | t | - | ۲        | +        |          | t | _   | H   | +   |          | H       | +        | ᅱ        |
| -:-           | 16       | ╫                 | ₩                     | ╁ |   | $\vdash$ | ╅        |          | t |     | H   | ┥   |          | -       | +        | $\dashv$ |
| <del></del> - |          | Ħ                 | +                     | H | _ | H        | +        | _        | ╀ | _   | H   | -   | _        | ⊢       | +        | ┪        |
| -             | 17 18 19 | ₩                 | ╄                     | ╀ | - | H        | +        | _        | ╀ |     | ┞   | -   |          | -       | +        | $\dashv$ |
| 냐             | 18       | Н                 | ╄-                    | ╀ | _ | L        | +        |          | ŀ | _   | ┞   | 4   | _        | ⊢       | +        | ᅱ        |
| L_            | :1P      | 11                | 1                     | L |   | L        | 4        |          | Ļ | _   | Ļ   | 4   |          | L       | 4        | 4        |
|               | 4        | П                 | l                     |   |   | L        |          |          | l |     | L   |     |          | L       | 1        |          |
|               | 21       | П                 | $\nabla$              | Γ |   | Γ        | Т        |          | Ī |     |     |     |          | ]_      |          |          |
| Г             | 22       | П                 | $\sqcap$              | T |   | Γ        | ٦        |          | T | _   | Γ   | ╗   |          | Γ       | Т        |          |
|               | 23       |                   | Ħ                     | t |   | T        | 7        |          | t |     | Γ   |     |          | 1       | T        |          |
| -             | 24       |                   | 11                    | t |   | t        | ╛        |          | t |     | T   |     | _        | T       | 7        |          |
| ┢             | 25       | ++                | +                     | + |   | t        | 7        |          | t | _   | t   |     | г        | 1-      | 1        |          |
| ┝             | 26       |                   | +†                    | t |   | ╁        | 7        |          | t | _   | t   | _   | _        | t       | +        |          |
| ╁             | 27       |                   | +                     | + | - | t        | $\dashv$ | _        | t |     | t   | -   |          | +-      | +        |          |
| ┝             | -        | -                 | +                     | + | _ | ╁        | -        | _        | + | _   | ł   | _   | -        | ╁       | +        |          |
| ⊢             | 28       |                   | ₩                     | ╀ | - | ╀        | $\dashv$ | -        | + | _   | ╁   | -   | ⊢        | ╀       | +        |          |
| <u> </u>      | 29       |                   | Н                     | + |   | ╀        | -        | _        | + | _   | ╀   | _   | -        | ╀       | +        |          |
| ما            | 30       | -                 | 1                     | ļ |   | ╀        | _        | <u> </u> | 4 |     | +   |     | L        | ╀       | +        |          |
| L             | 31       |                   | 1                     | 4 | _ | Ļ        |          | _        | 4 |     | 1   |     | <u> </u> | ╀       | 4        |          |
| L             | 32       |                   | _                     | 4 |   | 1        |          |          | 4 |     | ╀   |     | L        | 1       | 4        |          |
| 上             | 33       |                   |                       | 1 |   | $\perp$  |          | L        | 1 |     | 1   |     | L        | ļ.      | 4        |          |
| -             | 34       |                   | $oldsymbol{\perp}$    | 1 |   | L        |          | L        | 1 |     | 1   |     | L        | L       | ↲        |          |
|               | 35       |                   | $\perp$               |   | _ | 1        |          | L        |   |     | Ţ   |     |          | $\perp$ |          |          |
| Г             | 36       | 3                 |                       | Ī | _ | Ι        |          |          |   |     | Ι   |     | L        |         |          |          |
|               | 37       | 7                 | Τ                     | Ţ |   | T        |          |          | 1 | Ī   | T   | _   |          | Ι       |          |          |
|               | 38       | 3                 | T                     | 1 |   | T        |          | Γ        | 7 | _   | T   |     | Γ        | T       | 7        |          |
| : -           | 39       | 3                 | 1                     | 1 | - | Ť        |          | Г        | 7 | _   | T   |     | Π        | T       | 1        |          |
| +             | 41       | -                 | +                     | 1 |   | t        |          | Т        | 1 | _   | †   |     | T        | 1       | 7        | _        |
| $\vdash$      | 4        |                   | +                     | + |   | +        | _        | ╁        | + | -   | +   | _   | +        | +       | -        |          |
| -             | +        | -                 | +                     | 4 | - | +        |          | $\vdash$ | 4 | -   | +   | _   | ╁        | +       | $\dashv$ |          |
| $\vdash$      | 42       | 1                 | +                     | 4 | _ | +        |          | 1-       | 4 | -   | +   | _   | ╀        | +       | 4        |          |
| $\vdash$      | _        |                   | 4                     | 4 |   | 4        |          | 1        |   | L   | 4   |     | ╄-       | +       | 4        | _        |
| L             | 4        |                   | $\perp$               | ┙ |   | 1        |          | L        |   | L   | 1   |     | L        | 1       |          |          |
| L             | 4        |                   |                       | ╝ | _ | 1        |          | 上        |   | L   | 1   |     | $\perp$  | 1       |          |          |
| L             | 4        |                   |                       |   | _ |          |          | L        |   | L   |     | _   | L        | ⊥       |          | L        |
| Γ             | 4        |                   | Т                     | 1 |   | T        |          | Γ        |   | Ī   | _[  | _   | 1        | J       | _]       | L        |
| $\vdash$      | 4        |                   | $\top$                | ┪ |   | 1        |          | T        |   | Γ   | 7   |     | Τ        | T       | _        |          |
| $\vdash$      | 4        |                   | 1                     | ٦ |   | 1        | _        | T        | _ | Γ   | 1   |     | T        | T       | _        | Г        |
| $\vdash$      |          | <del>`\</del>     | _                     | - | - | 7        | _        | t        |   | ۲   | ┪   | _   | +        | +       | _        | Г        |

| Cla      | im       | Date |           |              |   |    |              |   |              |              |           |          |          |   |
|----------|----------|------|-----------|--------------|---|----|--------------|---|--------------|--------------|-----------|----------|----------|---|
| Final    | Original |      |           |              |   |    |              |   |              |              |           |          |          |   |
|          | 51       |      |           | L            |   |    |              | 1 |              |              | L         | L        | $\perp$  | ╛ |
|          | 52       |      |           |              |   |    |              | I |              |              |           | L        | $\perp$  |   |
|          | 53       |      |           |              |   |    | Γ            | T |              |              |           |          |          |   |
|          | 54       |      |           | Г            | ٦ |    |              | T |              |              |           |          | T        |   |
|          | 55       |      |           | Γ            | ╗ |    |              | T |              |              |           |          |          |   |
|          | 56       |      |           | Γ            | ٦ |    |              | T |              |              |           |          |          |   |
|          | 57       |      |           | Г            | 7 |    | Г            | 1 |              |              |           | Г        | Ţ        |   |
|          | 58       |      |           | Γ            |   |    | Г            | T |              |              | Γ         | Τ        | T        | ٦ |
|          | 59       |      | Г         | Γ            |   |    | Γ            | T |              |              |           | Т        |          |   |
|          | 60       |      |           | Γ            |   |    | Г            | T |              |              |           | Γ        |          |   |
| Г        | 61       |      | Г         | Ī            |   |    |              | I |              |              |           |          |          |   |
| Г        | 62       |      |           | Γ            |   |    | Γ            | T |              |              | Ī         |          | T        |   |
|          | 63       | Г    |           | Γ            |   |    |              | 1 |              |              |           |          | 1        |   |
|          | 64       |      | Г         | Γ            |   |    |              |   |              |              |           |          | Ι        |   |
|          | 65       |      |           |              |   |    | Ľ            | J |              |              |           | $\perp$  | $\prod$  |   |
|          | 66       |      |           |              |   |    |              |   |              |              |           |          |          |   |
|          | 67       | Γ    |           | Γ            |   |    | L            |   |              |              |           | L        | 1        | ╝ |
| П        | 68       | I    |           | l.           |   |    |              |   |              | L            | _         | ⊥        | $\perp$  | _ |
|          | 69       |      |           |              |   |    |              | _ |              |              | L         | $\perp$  | 1        |   |
|          | 70       | ]    |           | ١            |   |    | l            |   |              | l            | ١.        |          |          |   |
|          | 71       |      |           | T            |   | Г  | Г            | ٦ |              |              |           | Ι        |          |   |
|          | 72       | İ    |           | Γ            |   |    |              |   | •            |              | Γ         | I.       |          |   |
|          | 73       | Π.   |           | Ī            |   |    | L            |   |              |              |           |          |          |   |
|          | 74       |      |           | I            |   |    |              |   |              | L            | L         | $\perp$  | _        |   |
|          | 75       |      | L         | L            |   | L  | L            |   | L            | L            | 1_        | 1        | _        |   |
| L        | 76       |      |           | L            | _ | L  | L            | _ |              | L            | 1         | 4        | 4        |   |
|          | 77       | -    | <u>L</u>  | 1            |   | L  | L            |   | L.           | ┺            | 1-        | 1        | 4        |   |
| <u> </u> | 78       |      | _         | ļ            |   | L  | Ļ            |   | _            | ↓_           | Ļ         | 4        | 4        |   |
| L        | 79       |      | 1_        | 1            |   | L  | Ļ            | _ | <u> </u> _   | ╄            | $\perp$   | 4        | 4        |   |
| $\vdash$ | 80       | _    | Ļ         | 4-           |   | ┡  | 4            |   | L            | ļ-           | +         | +        | 4        |   |
| $\vdash$ | 81       | _    | ╀         | 1            |   | ļ  | +            |   | _            | ╀            | ╁         | +        | $\dashv$ |   |
| $\vdash$ | 82       |      | ╀         | +            |   | ╄  | 4            |   | $\vdash$     | ╀            | +-        | +        |          | _ |
|          | 83       |      | -         | +            | _ | ╀  | ╀            |   | ┝            | ╁            | ╀         | +        | ᅱ        |   |
| $\vdash$ | 85       |      | +         | +            |   | +  | +            |   | ⊢            | ╁            | +         | +        | -        |   |
| -        | 86       | -    | +-        | +            |   | ╁  | +            | _ | ╢            | ╁╴           | ╁         | +        | -        |   |
| $\vdash$ | 87       |      | +         | $^{+}$       |   | ╁╴ | $^{+}$       | _ | ┢            | ╁            | $\dagger$ | 十        | $\dashv$ | _ |
| -        | 88       | _    | ╁         | $^{\dagger}$ | - | +  | ╁            |   | ┝            | ╁            | $\dagger$ | 7        |          |   |
| $\vdash$ | 89       | _    | +         | +            |   | T  | +            |   | $\vdash$     | T            | +         | $\top$   | _        |   |
| $\vdash$ | 90       |      | ✝         | †            | - | t  | †            | _ | t            | +            | ✝         | 7        |          |   |
| $\vdash$ | 9        | -    | +         | +            | _ | t  | +            |   | t            | +            | +         | 1        |          | _ |
| $\vdash$ | 9:       |      | +         | +            | - | +  | +            |   | ╁            | +            | $^{+}$    | +        | Τ        | Т |
| $\vdash$ | 9        | -    | +         | +            | - | t  | +            | _ | +            | +            | +         | 7        | _        | Г |
| $\vdash$ | 9        | _    | +         | +            | _ | +  | $^{\dagger}$ | _ | 十            | $^{\dagger}$ | +         | 7        |          |   |
| $\vdash$ | 9        |      | +         | +            |   | 十  | +            |   | $^{\dagger}$ | +            | +         | $\dashv$ |          |   |
| 十        | 9        |      | T         | 1            |   | +  | 7            |   | †            | T            | ╅         | ٦        |          | Γ |
| $\vdash$ | 9        | _    | $\dagger$ | 1            | _ | T  | †            | _ | †            | +            | 1         | ╗        |          | Γ |
| F        | 9        | -    | T         | 7            | _ | T  | †            |   | T            | 1            | $\top$    | _1       | _        |   |
|          | 9        | 9    | T         | 7            |   | T  | 7            |   | I            | Ī            |           |          |          |   |
|          | ho       | n    | 1         | 7            | _ | Τ  | 1            |   | 1            | 1            | Т         |          |          | Γ |

| Cla      | im       |          |              |   |    | _        | C | at | е | -        |     |   | _ |   |   | ٦        |
|----------|----------|----------|--------------|---|----|----------|---|----|---|----------|-----|---|---|---|---|----------|
|          |          |          |              |   | 1  |          | Γ | ٦  | _ | Т        | _   | Γ | ٦ |   | Τ | ┪        |
| Final    | Original |          |              |   |    |          |   |    |   |          |     |   |   |   |   | 1        |
|          | 101      |          |              | Г | ┪  |          | Г |    | _ | T        |     | Γ |   |   | Т | ٦        |
|          | 102      |          |              | Г | 7  |          | T |    |   | ٦        |     | T |   |   | Ť | ヿ        |
| _        | 103      |          |              | Ė | 1  |          | T | -  | _ | 7        | _   | t |   |   | t | ┪        |
|          | 104      | Н        |              | ┝ | +  |          | H |    |   | ┪        |     | t | - |   | + | ᅱ        |
| -        | 105      |          |              | H | -† |          | t |    | - | -        | -   | t | _ | - | t | ㅓ        |
| -        | 106      | _        |              | H | ┪  |          | ╁ | -  | - | -        | _   | t | - | - | + | ᅥ        |
| <u> </u> | 107      | $\vdash$ | _            | - | -  |          | ۱ |    | H | -+       |     | t | - | - | ╁ | ᅱ        |
|          | 108      | -        | _            | H | -  |          | t | _  | H | ┪        |     | t | - | Н | + | ㅓ        |
| ┢        | 109      |          | -            | H | 1  |          | t |    | H | 7        | _   | t |   | Н | t | ᅥ        |
| _        | 110      |          | -            | H | 1  | _        | t |    | H | $\dashv$ |     | t | _ | - | † | $\dashv$ |
| -        | 111      |          | _            | H | ᅥ  | -        | t | _  | ۲ | 7        |     | t |   | Н | † | $\neg$   |
|          | 112      | -        | _            | ┝ | +  |          | t |    | ۲ | -        |     | t | _ | - | † | $\neg$   |
| _        | 113      |          |              | ┢ | +  | _        | t |    | ۲ | ٦        | _   | t |   | ┢ | † | $\neg$   |
| -        | 114      |          | Н            | H | ┪  | _        | t |    | H |          | _   | t |   | Г | t | ٦        |
| Н        | 115      |          | -            | t | 1  |          | t |    | r |          |     | t |   |   | t | ヿ        |
|          | 116      |          | $\vdash$     | t |    |          | t | _  | r |          |     | † |   | Т | Ť | ┪        |
|          | 117      |          | Н            | t |    |          | t | -  | ۲ | $\neg$   | _   | t | _ | Г | Ť | _        |
| H        | 118      | _        | Η-           | t | _  |          | t | _  | H |          |     | t | - | Т | 1 |          |
| ┢╌       | 119      |          |              | t | _  |          | t |    | r |          |     | T |   | Г | Ť | _        |
|          | 120      |          | ┪            | t | _  |          | t | _  | t |          | _   | t | _ | Г | † |          |
| -        | 121      | -        |              | ╁ |    | -        | t |    | ŀ | -        |     | t |   | H | † | -        |
| ├        | 122      |          | ⊢            | t | -  | ┝        | t |    | t | _        | -   | t |   | ┪ | † | _        |
| ┝╌       | 123      |          | ┢            | t | _  | -        | t | _  | t | _        | ┢   | t |   | ┢ | † | _        |
| ⊢        | 124      |          | H            | t |    | -        | t |    | t | _        | ┢   | t | _ | H | † | _        |
| -        | 125      | +        | ╁            | t |    | $\vdash$ | t | _  | t |          | -   | t | _ | t | 1 |          |
| $\vdash$ | 126      |          | $\vdash$     | t |    | -        | † |    | t |          | H   | † |   | Τ | 1 | _        |
| $\vdash$ | 127      |          | $\vdash$     | t | _  | Г        | t |    | t | _        | Г   | † |   | Τ | 7 | _        |
| $\vdash$ | 128      |          | <del> </del> | t |    |          | 1 |    | İ |          | 1   | 1 |   | T | 1 |          |
| $\vdash$ | 129      | _        | ╁            | t |    | Г        | † | _  | t |          | 1   | 1 |   | T | 1 |          |
| $\vdash$ | 130      | -        |              | t | _  | Г        | 1 |    | t |          | Г   | 1 |   | T | 1 |          |
| $\vdash$ | 13       | 1        | T            | T | _  | Г        | 1 |    | Ť |          |     | 1 |   | T | ٦ |          |
|          | 132      |          |              | Ť |    | Γ        | 1 |    | T |          |     | 1 |   | Τ |   |          |
| Г        | 133      | 3        | Т            | 1 |    | Γ        | 1 |    | Ī |          | Π   |   |   |   |   |          |
| Г        | 13       |          |              | 1 | _  | Π        | 1 |    | Ī |          | Γ   | J |   | Ι |   |          |
|          | 13       | 5        | Τ            | T |    |          | 1 |    | I |          |     |   |   | L |   |          |
| Г        | 13       | 6        |              | T |    | Γ        | ٦ |    | I |          |     |   |   | L |   |          |
| Г        | 13       | 7        | Τ            | Ι |    |          |   |    | 1 |          | L   |   |   | L |   | _        |
|          | 13       | В        |              | I |    | L        |   |    | 1 |          | L   |   | _ | ļ | _ | _        |
|          | 13       | 9        | $\perp$      | 1 |    | L        |   |    | 1 |          | L   |   | _ | ╀ |   | L        |
|          | 14       |          | ┖            | ╛ |    | L        |   |    | 4 |          | Ļ   | _ | _ | 1 |   | _        |
| L        | 14       |          |              | 1 | _  | L        |   |    | 1 | _        | L   |   |   | 1 | _ | L        |
|          | 14       |          | L            | 1 | _  | Ŀ        |   | L  | 1 |          | ╀   | 4 | Ŀ | 1 | _ | -        |
| L        | 14       | 4        | ┸            | 4 |    | ╀        | _ | _  | 4 | _        | 1   | _ | ļ | 4 | _ | Ļ        |
| L        | 14       |          | 1            | 1 |    | ╄        | _ | L  | 4 |          | ╀   | _ | ļ | 4 | _ | _        |
| L        | 14       | _        | $\perp$      | 4 |    | ╀        | _ | L  | 4 | _        | 1   |   | - | 4 | _ | ┞        |
| L        | 14       |          | +            | 4 | _  | +        | _ | L  | 4 | ŀ        | ╀   | _ | ⊢ | + | - | +-       |
| L        | 14       |          | +            | 4 |    | 1        |   | Ŀ  | 4 | Ŀ        | ╀   | _ | - | 4 | _ | H        |
| L        | 14       | 8        | +            | 4 | _  | +        | _ | L  | 4 | Ŀ        | +   | _ | ┝ | + | _ | -        |
| $\vdash$ | 14       | 8        | +-           | 4 | _  | ╀        | _ | ┞  | 4 | _        | ╁   | _ | ┝ | + | _ | ╁        |
| L        | 15       | q_       | 1_           | _ | _  | ┸        | _ | _  | J | L_       | .1_ | _ | 1 | _ |   |          |

If more than 150 claims or 10 actions staple additional sheet here

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